

WHAT IS COGNITIVE READINESS? DEVELOPING AN OPERATIONAL DEFINITION

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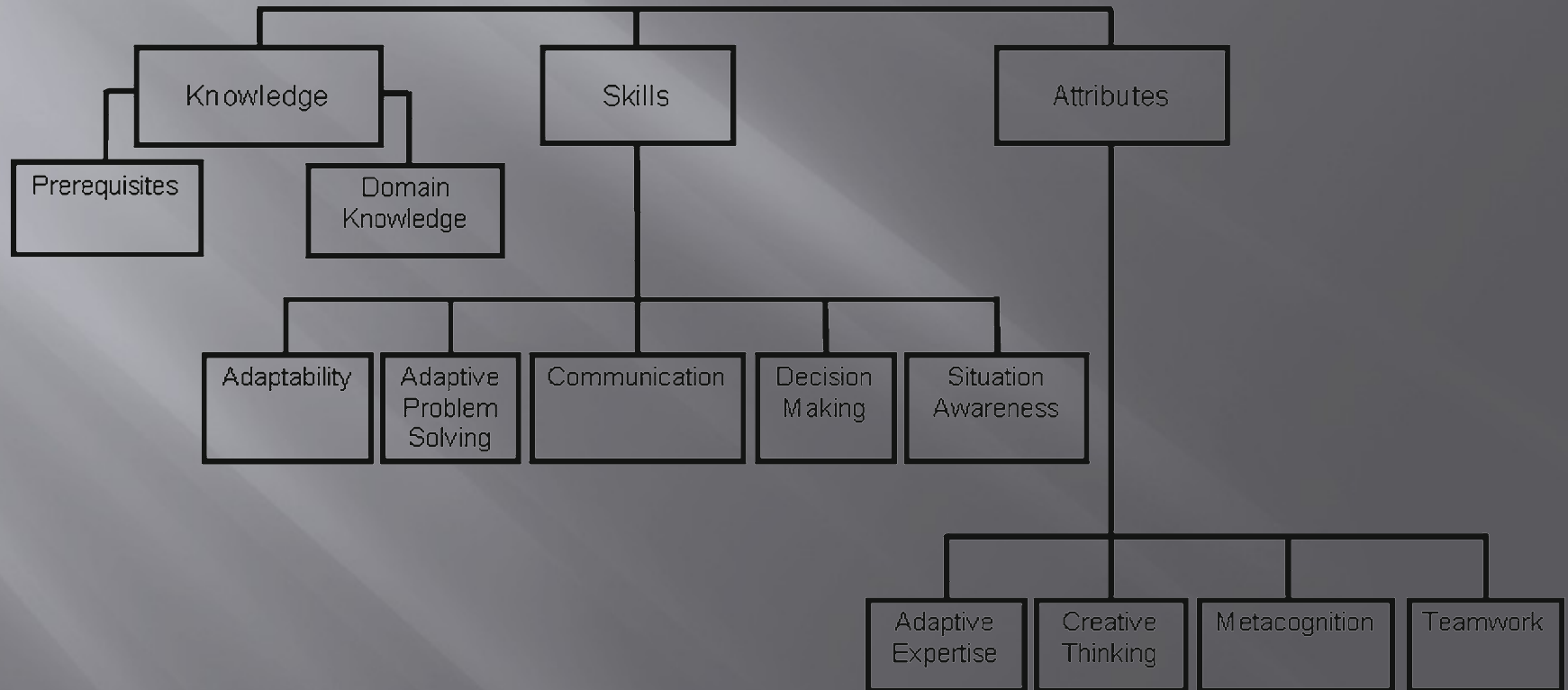
Morrison & Fletcher (2002). Cognitive Readiness. Institute for Defense Analyses Alexandria, VA.

Cognitive readiness is described as the mental preparation an individual needs to establish and sustain competent performance in the complex and unpredictable environment of modern military operations. Relevant components of cognitive readiness are identified as situation awareness, memory, transfer of training, metacognition, automaticity, problem-solving, decision-making, flexibility and creativity, leadership, and emotion. These components were determined to be measureable and capable of enhancement through training. It was concluded that cognitive readiness contributes significantly to success in military operations and that it should be routinely included in assessments of readiness.

Dyer, J. L., Centric, J. H., & Wampler, R. L. (2007). *A case for decentralized training* (Research Report 1866). Arlington, VA: U.S. Army Research Institute.

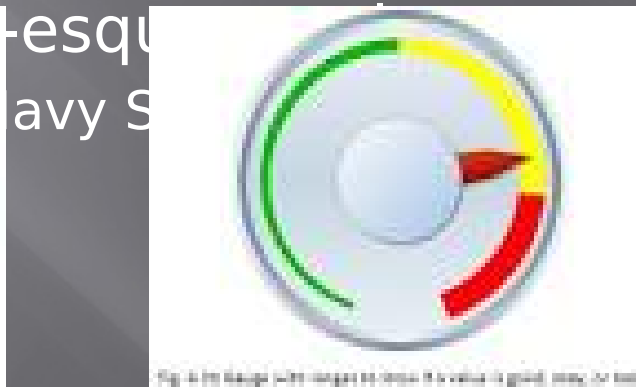
Cognitive readiness is the ability to accomplish a mission by making and implementing decisions in a timely, efficient, and effective manner, often with very limited information in a constantly changing, complex, and dangerous environment.

O'Neil, Perez, & Baker (2014). Teaching and Measuring Cognitive Readiness. Springer.



Operational Definition

- There is a need to develop a single operational definition of what we mean by cognitive readiness
- There is a need to develop meaningful test that are accurate, valid, repeatable and easy to administer
- Commanders really have no use for tests that take hours or days to administer and generate a



Become part of the discussion

Next TAG double session for a presentations
and a third session devoted to a working
group that focuses on developing a single
operational definition of cognitive readiness
for the DOD

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